

FIGURE 1A

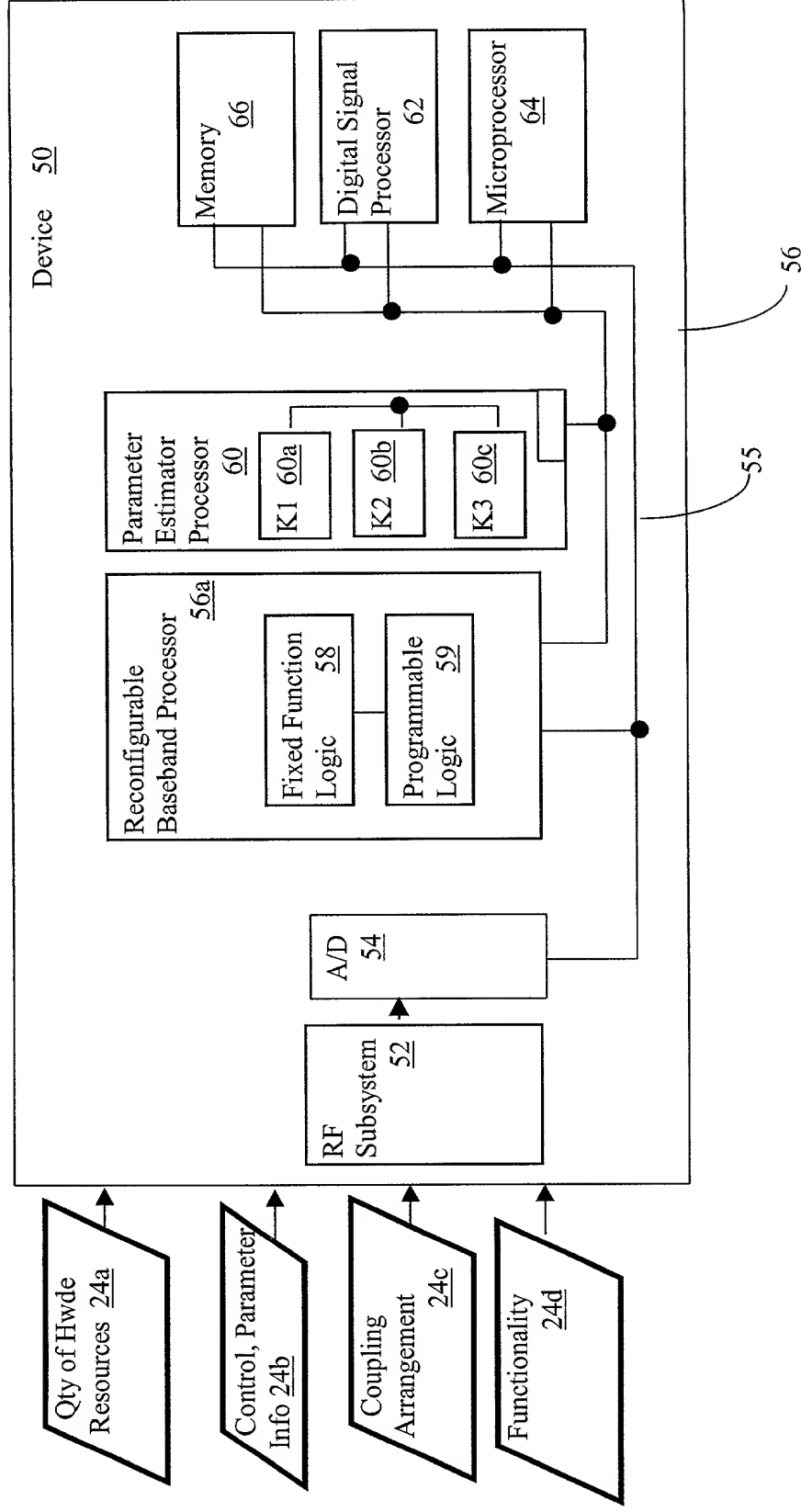


FIGURE 1B

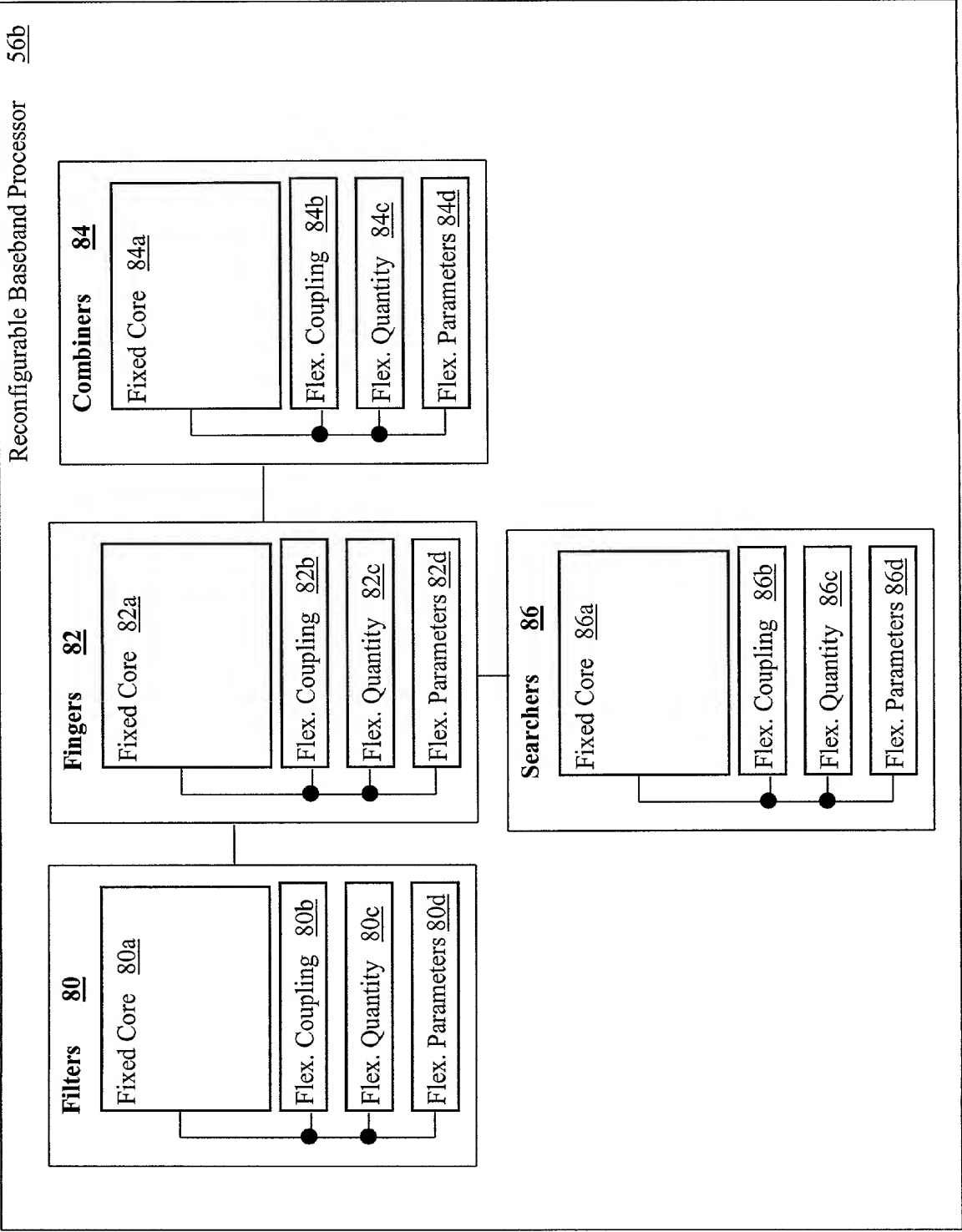
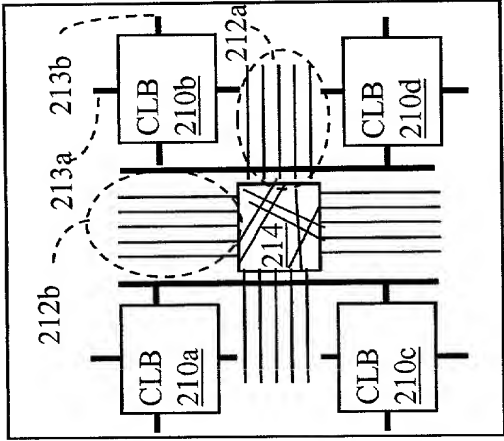
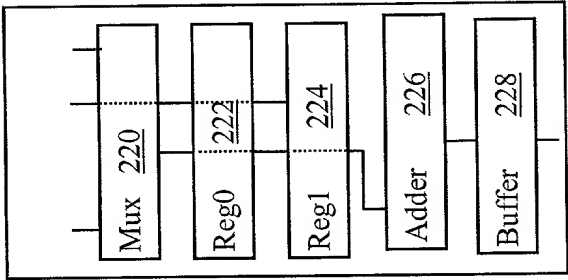


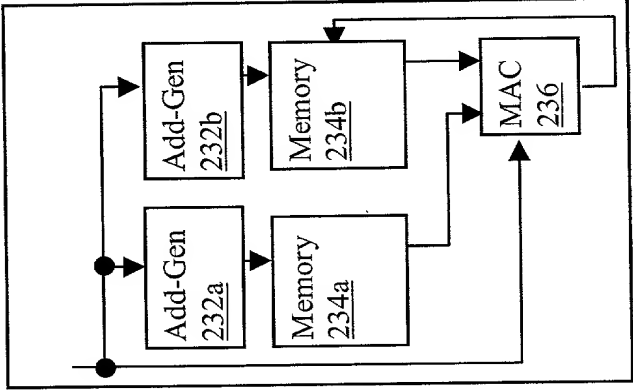
FIGURE 1C



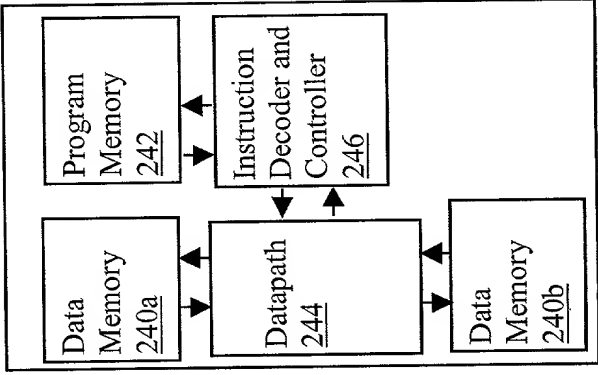
1) Reconfigurable Logic 211



2) Reconfigurable Datapath 221



3) Reconfigurable Dataflow 231



4) Reconfigurable Logic 241

FIGURE 2A

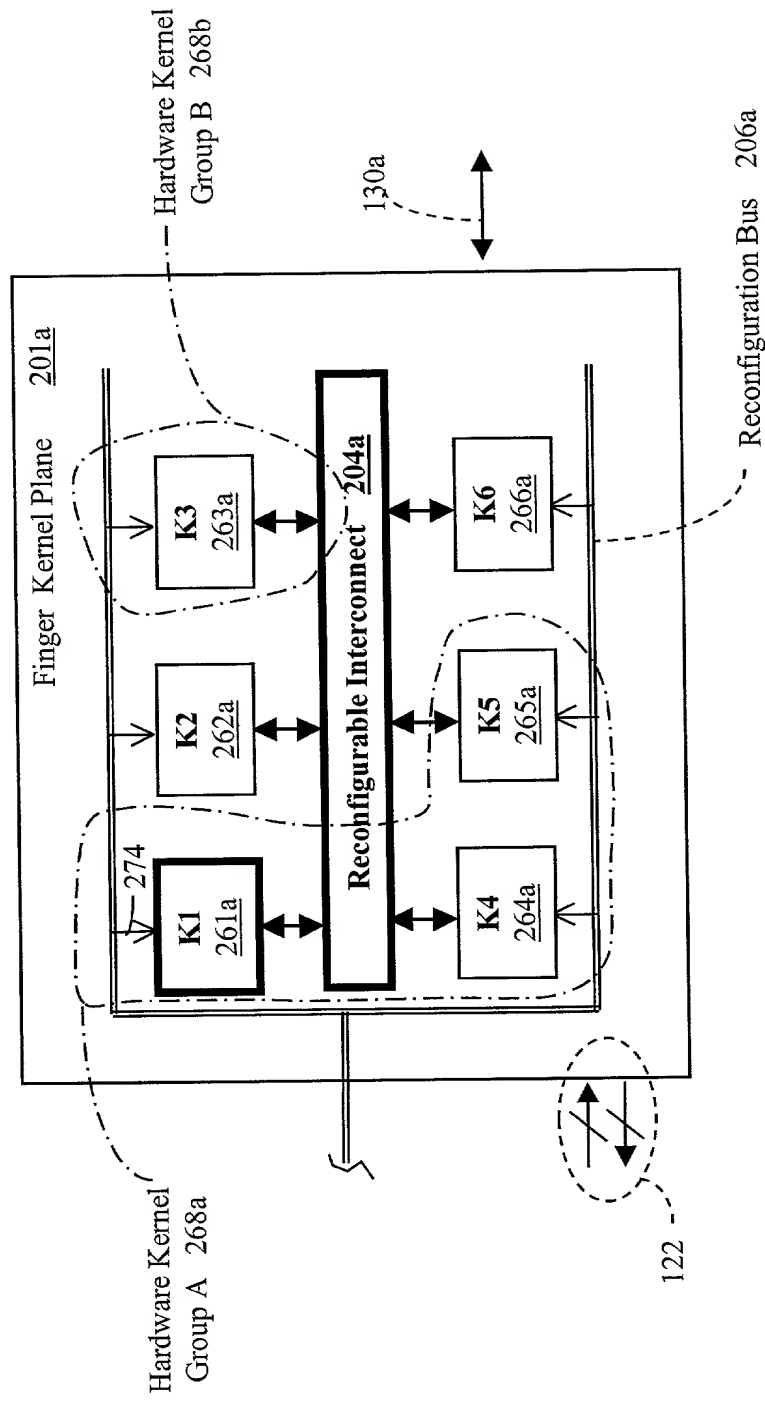


FIGURE 2B

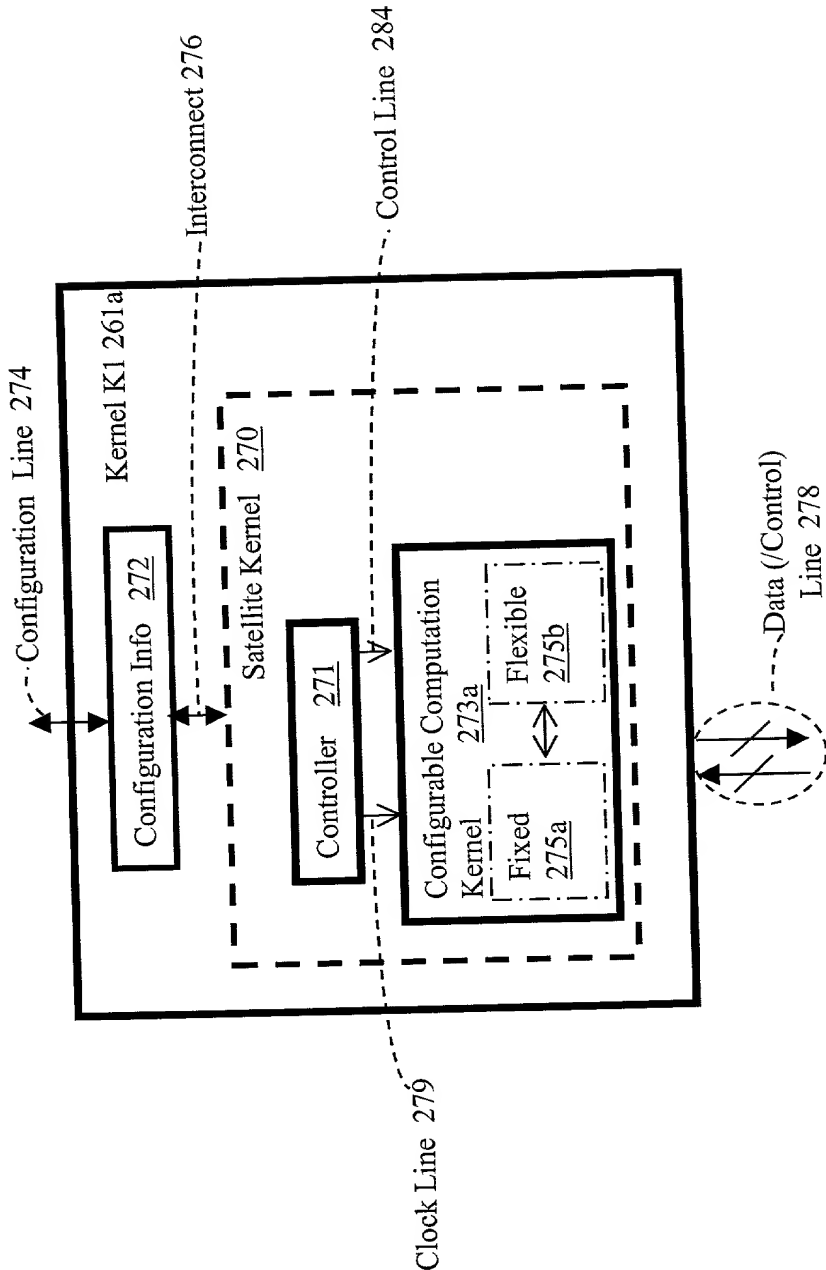


FIGURE 2C

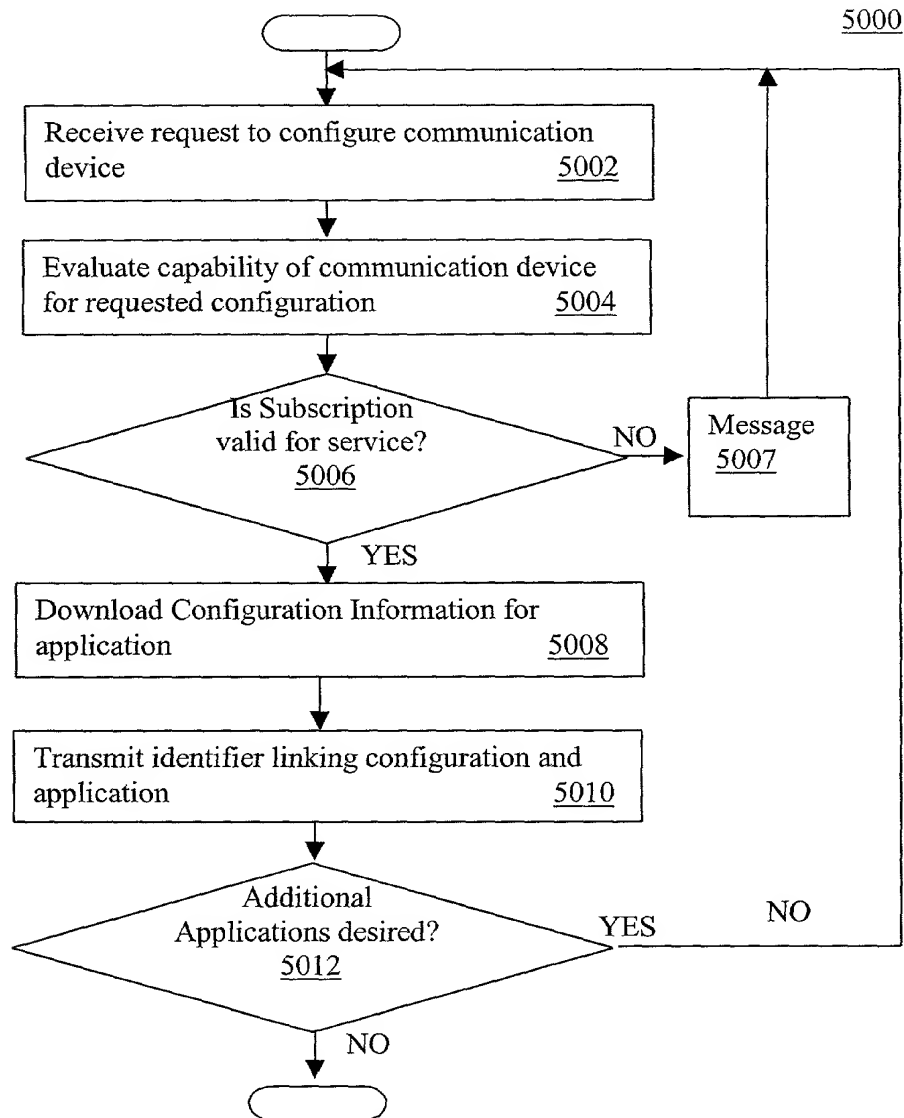


Hardware	Air Interface Change	QOS Option	Service Option
	Ex: IS-95 to IS-2000	Ex: Antenna Diversity, Algorithmic enhancement	Ex: GPS
Filter	Qty, Connectivity Parameters	Parameters	n/a
Finger	Qty, Connectivity Parameters	Parameters	Qty, Connectivity Parameters
Combiner	Qty, Connectivity Parameters	n/a	Qty, Connectivity Parameters
Searcher	Qty, Connectivity Parameters	Parameters	Qty, Connectivity Parameters
Estimator	Qty, Connectivity Parameters	Parameters	Qty, Connectivity Parameters
Timing	Parameters	Parameters	Parameters
Codec	Connectivity Parameters	n/1	Parameters

FIGURE 4A

Hardware	TDMA				CDMA			
	IS 136	GSM	GPRS	EDGE	IS-95B	IS-2000	WCDMA-FDD	GPS
Global star								
Parameter Estimator Functions								
LMS Channel Estimator		X	X	X				
Windowed Average Energy Estimator	X	X	X	X	X	X	X	
ML Symbol Timing Estimator	X	X	X	X	X	X	X	X
ML Carrier Phase Estimator	X	X	X	X	X	X	X	X
PN Correlator					X	X	X	
Matched Filter							X	X
Interference Energy Estimator						X	X	

FIGURE 4B

**FIGURE 5A**

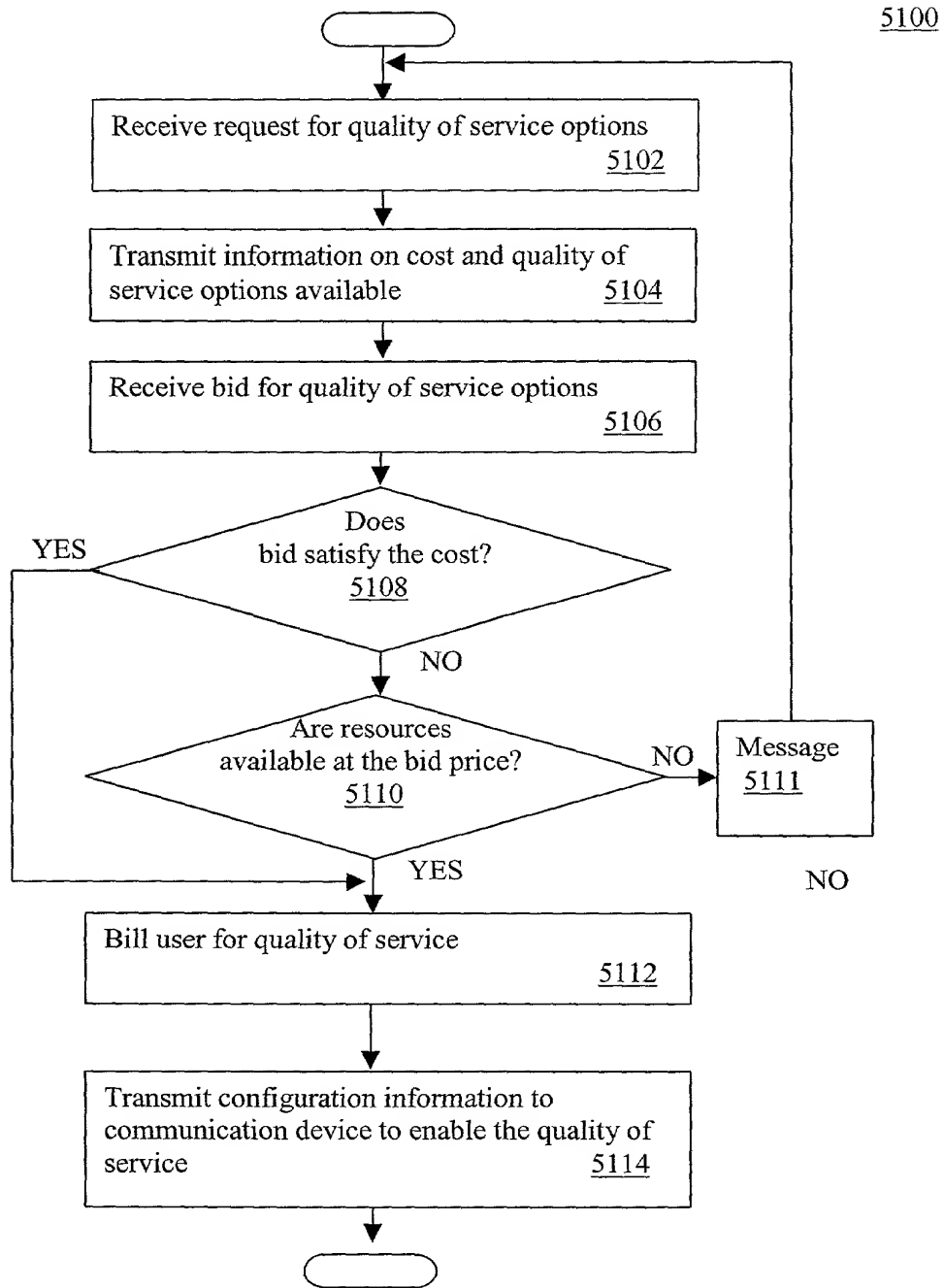


FIGURE 5B